

CLAIMS

1. A manifold valve comprising a manifold valve long in one direction, a plurality of solenoid valves arranged and placed on a solenoid valve installing face of the manifold, and a board formed with an electric circuit for feeding these solenoid valves,

wherein each the solenoid valve includes a valve portion containing a valve member and a solenoid operating portion for driving the valve member and is mounted onto the installing face with the solenoid operating portion projecting on a side of a first side face of the manifold,

the board has such a length as to cover a plurality of solenoid valves and is mounted to the first side face of the manifold under the solenoid operating portion such that the board can be attached and detached while leaving the solenoid valves mounted on the manifold, feeding connectors and indicating lights being respectively provided in positions on the board corresponding to the respective solenoid valves,

each the feeding connector is disposed in such a position as to be connected to a receiving terminal of the solenoid valve in a plug-in manner simultaneously with mounting of the solenoid valve to the manifold, and

each the indicating light is disposed in such a position as to be able to be visually recognized from above the solenoid valve while leaving the solenoid valve mounted on the manifold.

2. A manifold valve according to claim 1, wherein the board is detachably mounted to the first side face of the manifold by a bolt, can be moved up and down along the first side face independently of the solenoid valves in attachment and detachment of the board, and is provided in such an

orientation that the feeding connectors on the board and the receiving terminals of the solenoid valves are connected or separated to and from each other by moving the board up or down.

3. A manifold valve according to claim 2, wherein the feeding connectors and the indicating lights are mounted in two rows in upper and lower positions on the board and each the indicating light is mounted to project sideways from the board at least by the same distance as a height of the feeding connector.

4. A manifold valve according to claim 1, wherein the board has a wide portion where a board width is expanded upward on one end side in a longitudinal direction of the board, a multipolar one-operation wiring connector is mounted in a vertical orientation to the wide portion, and the connector and the respective feeding connectors are electrically connected through the electric circuit on the board.

5. A manifold valve according to claim 4, wherein the wide portion of the board is fixed to the manifold through a holder having substantially the same length as the connector.

6. A manifold valve according to claim 5, wherein one end of the board is fixed through the folder with a gap between the manifold and the board and the other end of the board is fixed through a spacer with a gap between the manifold and the board.